

# Peng Jiang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5927423/publications.pdf>

Version: 2024-02-01

60  
papers

2,342  
citations

304743

22  
h-index

214800

47  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2849  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Nitrogen and sulfur co-doped carbon dots with bright fluorescence for intracellular detection of iron ion and thiol. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 255-264.  | 9.4  | 60        |
| 2  | Multifunctional Probes with High Utilization Rates: Self-Assembled Merocyanine Nanoparticles in Water as Acid-Base Indicators and Mitochondrion-Targeting Chemotherapeutic Agents. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1090-1098.                      | 4.6  | 3         |
| 3  | Cu-Doped black phosphorus quantum dots as multifunctional Fenton nanocatalyst for boosting synergistically enhanced H <sub>2</sub> O <sub>2</sub> -guided and photothermal chemodynamic cancer therapy. <i>Nanoscale</i> , 2022, 14, 3788-3800.                             | 5.6  | 17        |
| 4  | Triterpenoid Saponins From the Fruit of <i>Acanthopanax senticosus</i> (Rupr. & Maxim.) Harms. <i>Frontiers in Chemistry</i> , 2022, 10, 825763.  | 3.6  | 3         |
| 5  | pH-Sensitive Bioprobe for Multichannel Mitochondrial Imaging and Photodynamic Therapy. <i>Analytical Chemistry</i> , 2022, 94, 4126-4133.   | 6.5  | 13        |
| 6  | Transcription factor StABI5-like 1 binding to the FLOWERING LOCUS T homologs promotes early maturity in potato. <i>Plant Physiology</i> , 2022, 189, 1677-1693.   | 4.8  | 24        |
| 7  | Anti-proliferative Properties of Schinensilactone A, A Schinortriterpenoid with 7,8-seco-1,8-cyclo Scaffold against Caco-2 by Inducing Cell Apoptosis from the Leaves of <i>Schisandra chinensis</i> . <i>Chinese Journal of Chemistry</i> , 2022, 40, 1331-1336.           | 4.9  | 3         |
| 8  | Reversible Zn <sup>2+</sup> -induced 3D self-assembly aerogel of carboxyl modified copper indium diselenide quantum dots: mechanism and application for inkjet printing anti-counterfeiting. <i>Soft Matter</i> , 2022, . .   | 2.7  | 0         |
| 9  | Mitochondrial Targeting Long-Term Near-Infrared Imaging and Photodynamic Therapy Aggregation-Induced Emission Luminogens Manipulated by Thiophene. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3462-3469.  | 4.6  | 4         |
| 10 | Tuning long-term mitochondrial imaging and photodynamic therapy capabilities through rational design of aggregation-induced emission luminogens. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132213.  | 7.8  | 5         |
| 11 | Highly Efficient GSH-Responsive "Off-On" NIR-II Fluorescent Fenton Nanocatalyst for Multimodal Imaging-Guided Photothermal/Chemodynamic Synergistic Cancer Therapy. <i>Analytical Chemistry</i> , 2022, 94, 10470-10478.  | 6.5  | 34        |
| 12 | Dehydrogenation of propane over sugar foams templated Ga <sub>2</sub> O <sub>3</sub> nanoparticles catalysts. <i>Catalysis Letters</i> , 2021, 151, 1894-1901.  | 2.6  | 8         |
| 13 | Near-infrared Zn-doped Cu <sub>2</sub> S quantum dots: an ultrasmall theranostic agent for tumor cell imaging and chemodynamic therapy. <i>Nanoscale</i> , 2021, 13, 3673-3685.   | 5.6  | 23        |
| 14 | Multifunction in One Molecule: Mitochondrial Imaging and Photothermal & Photodynamic Cytotoxicity of Fast-Response Near-Infrared Fluorescent Probes with Aggregation-Induced Emission Characteristics. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 7945-7954. | 8.0  | 27        |
| 15 | Recent Advances in Nanomaterial-Based Nanoplatfoms for Chemodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2100243.   | 14.9 | 206       |
| 16 | Zn-doped Cu <sub>2</sub> S quantum dots as new high-efficiency inhibitors against human insulin fibrillation based on specific electrostatic interaction with oligomers. <i>International Journal of Biological Macromolecules</i> , 2021, 179, 161-169.                    | 7.5  | 10        |
| 17 | Insights into Mechanism of A <sub>42</sub> Fibril Growth on Surface of Graphene Oxides: Oxidative Degree Matters. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100436.  | 7.6  | 6         |
| 18 | Cu-Deficient CuInSe Quantum Dots for "Turn-On" Detection of Adenosine Triphosphate in Living Cells. <i>ACS Applied Nano Materials</i> , 2021, 4, 6057-6066.   | 5.0  | 16        |

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|----|---|------|-----------|
| 19 | Ecdysteroids from the Aerial Parts of <i>Paris verticillata</i> . <i>Chemistry and Biodiversity</i> , 2021, 18, e2100239.   | 2.1  | 2         |
| 20 | Zinc(II)-Cyclen Multifunctional Complex Module-Mediated Polycation-Based High-Performance pDNA Vectors. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5678-5689.   | 5.2  | 2         |
| 21 | Chiral Cu <sub>2</sub> Se Nanoparticles for Enhanced Synergistic Cancer Chemodynamic/Photothermal Therapy in the Second Near-Infrared Biowindow. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 60933-60944.         | 8.0  | 19        |
| 22 | Self-Powered Iontophoretic Transdermal Drug Delivery System Driven and Regulated by Biomechanical Motions. <i>Advanced Functional Materials</i> , 2020, 30, 1907378.  | 14.9 | 105       |
| 23 | Bifunctional carbon dots for cell imaging and inhibition of human insulin fibrillation in the whole aggregation process. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 453-462.                        | 7.5  | 24        |
| 24 | Luminescent carbon dots with concentration-dependent emission in solution and yellow emission in solid state. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 77-85.   | 9.4  | 57        |
| 25 | A flexible and wide pressure range triboelectric sensor array for real-time pressure detection and distribution mapping. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23827-23833.  | 10.3 | 53        |
| 26 | Age-related gene expression and DNA methylation changes in rhesus macaque. <i>Genomics</i> , 2020, 112, 5147-5156.  | 2.9  | 13        |
| 27 | Lignans and Terpenoids from the Leaves of <i>Schisandra chinensis</i> . <i>Chemistry and Biodiversity</i> , 2020, 17, e2000035.   | 2.1  | 11        |
| 28 | Thermodynamics of the Interaction Between Graphene Quantum Dots with Human Serum Albumin and $\beta$ -Globulins. <i>Journal of Solution Chemistry</i> , 2020, 49, 100-116.  | 1.2  | 5         |
| 29 | Quantifying and understanding the triboelectric series of inorganic non-metallic materials. <i>Nature Communications</i> , 2020, 11, 2093.  | 12.8 | 287       |
| 30 | Bridge between Temperature and Light: Bottom-Up Synthetic Route to Structure-Defined Graphene Quantum Dots as a Temperature Probe In Vitro and in Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 22002-22011. | 8.0  | 19        |
| 31 | Signal Output of Triboelectric Nanogenerator at Oil-Water-Solid Multiphase Interfaces and its Application for Dual-Signal Chemical Sensing. <i>Advanced Materials</i> , 2019, 31, e1902793.                                     | 21.0 | 120       |
| 32 | High-Oxygen-Content Carbon Dots as a High-Efficiency Inhibitor of Human Insulin Aggregation. <i>ACS Applied Bio Materials</i> , 2019, 2, 4067-4076.   | 4.6  | 18        |
| 33 | Molecular dynamics simulation of the electrical conductive network formation of polymer nanocomposites by utilizing diblock copolymer-mediated nanoparticles. <i>Soft Matter</i> , 2019, 15, 6331-6339.                         | 2.7  | 5         |
| 34 | Concentration-tuned multicolor carbon dots: microwave-assisted synthesis, characterization, mechanism and applications. <i>New Journal of Chemistry</i> , 2019, 43, 8950-8957.  | 2.8  | 23        |
| 35 | Fluorescent protein nanoparticles: Synthesis and recognition of cellular oxidation damage. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 219-227.  | 5.0  | 2         |
| 36 | Biocompatible Ag <sub>2</sub> S quantum dots for highly sensitive detection of copper ions. <i>Analyst</i> , 2019, 144, 2604-2610.  | 3.5  | 38        |

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|----|---|------|-----------|
| 37 | Graphene Quantum Dots Induce Autophagy and Reveal Protection Against Hydrogen Peroxide-Induced Oxidative Stress Injury. <i>ACS Applied Bio Materials</i> , 2019, 2, 5760-5768.                                | 4.6  | 7         |
| 38 | Analysis of sialic acid levels in Chinese intravenous immunoglobulins by high-performance liquid chromatography with fluorescence detection. <i>Biomedical Chromatography</i> , 2019, 33, e4452.              | 1.7  | 2         |
| 39 | In vitro evaluation of the biological activities of IgG in seven Chinese intravenous immunoglobulin preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 151, 317-323.              | 2.8  | 5         |
| 40 | Concentrations of antibodies against $\beta$ -amyloid 40/42 monomer and oligomers in Chinese intravenous immunoglobulins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 138, 277-282.      | 2.8  | 5         |
| 41 | Ligand effect on the synthesis of emission-tunable near-infrared $\text{Ag}_2\text{S}$ quantum dots. <i>New Journal of Chemistry</i> , 2017, 41, 5707-5712.   | 2.8  | 11        |
| 42 | Demonstration of the IgG antibody repertoire against the bacteria <i>Escherichia coli</i> in Chinese intravenous immunoglobulins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 133, 8-14. | 2.8  | 8         |
| 43 | Flammability and thermal behavior of polypropylene composites containing dihydrogen phosphate anion-intercalated layered double hydroxides. <i>Polymer Composites</i> , 2015, 36, 2230-2237.                  | 4.6  | 23        |
| 44 | A room-temperature method for coating a ZnS shell on semiconductor quantum dots. <i>Journal of Materials Chemistry C</i> , 2015, 3, 964-967.  | 5.5  | 16        |
| 45 | Thiol-based non-injection synthesis of near-infrared $\text{Ag}_2\text{S}/\text{ZnS}$ core/shell quantum dots. <i>RSC Advances</i> , 2015, 5, 56789-56793.  | 3.6  | 28        |
| 46 | Droplet-based microreactor for synthesis of water-soluble $\text{Ag}_2\text{S}$ quantum dots. <i>Nanotechnology</i> , 2015, 26, 275701.   | 2.6  | 28        |
| 47 | Preparation and characterization of flame retardant and low smoke releasing oil-resistant EVA/NBR blends. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015, 33, 554-563.                    | 3.8  | 14        |
| 48 | A highly reactive chalcogenide precursor for the synthesis of metal chalcogenide quantum dots. <i>Nanoscale</i> , 2015, 7, 19310-19316.   | 5.6  | 16        |
| 49 | Syntheses and Characterization of Four Phosphaphenanthrene and Phosphazene-based Flame Retardants. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2014, 189, 1811-1822.                     | 1.6  | 22        |
| 50 | Effects of kaolin on the thermal stability and flame retardancy of polypropylene composite. <i>Polymers for Advanced Technologies</i> , 2014, 25, 912-919.  | 3.2  | 24        |
| 51 | $\text{Ag}_2\text{Se}$ Quantum Dots with Tunable Emission in the Second Near-Infrared Window. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 1186-1189.   | 8.0  | 188       |
| 52 | Emission-Tunable Near-Infrared $\text{Ag}_2\text{S}$ Quantum Dots. <i>Chemistry of Materials</i> , 2012, 24, 3-5.   | 6.7  | 183       |
| 53 | Water-soluble $\text{Ag}_2\text{S}$ quantum dots for near-infrared fluorescence imaging in vivo. <i>Biomaterials</i> , 2012, 33, 5130-5135.   | 11.4 | 288       |
| 54 | Energy-Level-Related Response of Cathodic Electrogenerated-Chemiluminescence of Self-Assembled $\text{CdSe}/\text{ZnS}$ Quantum Dot Films. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18822-18828.   | 3.1  | 45        |

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|----|---|------|-----------|
| 55 | Biocompatible CdSe quantum dot-based photosensitizer under two-photon excitation for photodynamic therapy. <i>Journal of Materials Chemistry</i> , 2011, 21, 2455.  | 6.7  | 87        |
| 56 | Direct fluorescence in situ hybridization (FISH) in <i>Escherichia coli</i> with a target-specific quantum dot-based molecular beacon. <i>Biosensors and Bioelectronics</i> , 2010, 26, 491-496.                      | 10.1 | 23        |
| 57 | Core/Shell Structured Noble Metal (Alloy)/Cadmium Selenide Nanocrystals. <i>Chemistry of Materials</i> , 2009, 21, 3039-3041.   | 6.7  | 25        |
| 58 | Diffusion Behaviors of Water-Soluble CdSe/ZnS Core/Shell Quantum Dots Investigated by Single-Particle Tracking. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18904-18910.                                      | 3.1  | 7         |
| 59 | The Effect of Macromolecules on Foam Stability in Sodium Dodecyl Sulfate/Cetylpyridinium Bromide Mixtures. <i>Journal of Dispersion Science and Technology</i> , 2003, 24, 779-787.                                   | 2.4  | 21        |
| 60 | Xanthosaponins A and B, two unusual steroidal saponins with an unprecedented 16,17-seco-cholestane skeleton from <i>Solanum xanthocarpum</i> and their cytotoxic activities. <i>New Journal of Chemistry</i> , 0, , . | 2.8  | 1         |